

High performance tile adhesive with improved properties

PRODUCT

webercol premium is a high performance cement-based polymer modified adhesive for fixing all types of tiles and stones onto interior and exterior floors and walls. **webercol premium** has very strong bonding in wet areas. It is suitable to fix tiles on low porosity substrates such as power floated concrete.

webercol premium exceeds standard requirements EN12004 and is classified as C2TE*SI. **webercol Premium** is non-sagging and slip resistance "T" with ability to perform in extended open time conditions "E".

webercol premium is *SI deformable according to standard EN 12002 when mixed with ***weberad 255 MB** or ***weberad 220 SBR**.

BENEFITS

- Extended open time
- Thixotropic
- Suitable for low porosity tiles
- Resistant to temperatures between -20°C to +70°C
- External & internal application for walls and floors
- Vertical application due to its slip resistance property
- Bonding strength exceeding the standard requirement

SCOPE OF USE

webercol premium is used for fixing a wide range of tiles:

- Ceramic
- Porcelain
- Mosaics
- Sandstone
- Granite
- Marble
- Natural stones

Admissible substrates*:

- Concrete, screed
- Lightweight blocks
- Stone walls (cleaned and prepared)
- Cementitious plaster and renders
- Gypsum Board

*use **webercol prime** over difficult substrates such as gypsum, wood etc. Consult company for advice.

webercol premium can be used for tiling:

- *Swimming-pools
- Bathrooms, kitchens, stairs, rooms
- Heated floors
- Façades, balconies, terraces
- Parkings

*Small and medium sized swimming-pools with non-vitrified tiles up to 30*30cm.



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	-	25 kg	-	-	-	-

CHARACTERISTICS	
Color	Grey and white
Fresh density	1.55 +/-0.1
Mixing Ratio	5 to 6 lit. / 25 kg
*SI Deformable	4.5 lit water+1 lit. ad 225 MB / 25kg
wetting capability after 20 min at standard condition	> 50%
Pot life at standard conditions	4 hours
Open time tensile adhesion at 30 minutes	≥ 0.75 MPa
Slip resistance comply with EN 12004	≤ 0.5mm
Setting time at standard conditions	10 – 15 hours
Low (VOC)	>4g/L

ANSI 118.4: 2012 - Shear strength (N/mm²) F-7.3.2

Conditions	Standard Requirement	Webercol premium results
1 Day Standard Condition	> 0.5	1.14
7 days standard conditions	> 1.38	2.2
28 days standard condition	> 1.38	2.87
12 weeks standard conditions	> 1.38	2.87
7 days water immersion	>1.03	1.75
28 days freeze/thaw cycles	>1.21	2.68

TEST RESULTS

Test for ISO 13007	ISO 13007 requirement (MPa)	webercol premium results (MPa)
Tensile adhesion strength at condition A	≥1	≥1.4
Tensile adhesion strength at condition B	≥1	≥1
Tensile adhesion strength at condition C	≥1	≥1
Tensile adhesion strength at condition D	≥1	≥1

APPLICABLE STANDARDS

EN 12004 (EN 1346, EN 1348) class C2TE, ANSI 118.4: 2012
BS EN 12002: 2002 ISO 13007.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Surface must be clean and free from greasy substances or dust. Substrate should have been sufficiently cured in a way that any shrinkage has already occurred. Remove flaky or peeling layers and treat any unsound surfaces before tiling. Moisten slightly the substrate if it is dry at the time of application, never moisten the tiles.

PRODUCT PREPARATION

Mix **webercol premium** 25kg with 5 to 6 liters of clean cool water.

*Mix **webercol premium** 25kg with 4.5 liters of clean cool water + 1 lit **weberad 225 MB** or **weberad 220 SBR**. (SI Deformable).

Using an electric mixer at low rotation speed (< 300 rpm) mix until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application. It is recommended to clean the tools used for "product preparation" with water after finishing.

PRODUCT APPLICATION

Apply the adhesive onto the substrate covering up to 1 m² at a time. Use a suitable notched trowel to achieve a uniform thickness. Apply the tiles on the substrate and press them firmly. For external applications, large tiles or when optimal bonding is required, back buttering the tiles is recommended.

Floors can be walked on after approximately 24 hours after fixing the tiles.

It is recommended to cover or protect fixed tiles from running water or rain for at least 24 hours.

It is recommended to clean the tools used for "product application" with water after finishing.

CONSUMPTION		
Notch Trowel Sizes	Consumption * Kg of powder/m²	Coverage * m²/25 kg bag
Trowel 6X6 mm	2.5	10 m²
Trowel 8X8 mm	3.2	7.8 m²
Trowel 10X10 mm	3.5	7.2 m²
Trowel 12X12 mm	4.5	5.6 m²

* The consumption rates are based on lab trials and might vary subject to variation of substrate level and surface regularity.

CLEANING

Carefully clean off any excess adhesive from the tiles and joints with a damp cloth or sponge, before it sets. Clean the tools with water after use. Cured materials can only be removed mechanically.

PRECAUTIONS

Apply **webercol premium** on the substrate by areas of around 1 m² which can be tiled within a maximum of 30 minutes from application time at standard conditions, after that, an outer skin may form thus preventing the tile from adhering properly to **webercol premium**. However, unfavorable substrate or environmental conditions such as direct sun light, high temperature, strong winds, etc. may reduce the open time. Adjustments to the tiles should only be made during the open time. It is recommended to leave a minimum width of 2 mm around the tiles. Grouting the tile joints should only be done at least 24 hours after tiling, using **weberepoxy easy**, **weberjoint perfect** or **weberjoint deco** or **weberjoint**.

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition and away from humidity. Protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, releases alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area. Wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning thoroughly with soap and water. In case of contact with eyes, wash thoroughly with clean water and seek medical attention. If swallowed, do not induce vomiting and seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are

made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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